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PROJECT PYRALP

TECTONICS RELATIONSHIPS BETWEEN PYRENEES AND ALPS
(SOUTHERN FRANCE)

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for period April-May 1974

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Introduction

This report concerns the period of two months April and May 1974.

Processing of photographic data are still in progress.

Preparation of a report containing significant results is also in progress.

There are no authors significant results in this report.

Data reception

- Photographic data 4 x transparencie positives and negatives of SL 3 190A have been delivered in the beginning of March.

- Digital data of MSS S192, ordered by a letter of March 7, with a recall in the progress report n° 2 (February - March 1974) are not yet delivered.

Change in the data first ordering

Following first investigations on photographic data and a reexamination of the S192 screening film, a letter ordering a longer pass of digital S192 data has been forwarded on May 27.

According to the fourth Skylab EREP bulletin we hope it was not too late.

New order is as following :

1) orbit 32 (73 - 9 - 11)

From	GMT	13 h 15' 18"
To	GMT	13 h 16' 33"

2) orbit 35 (73 - 9 - 12)

From	GMT	12 h 32' 31"
To	GMT	12 h 33' 03"

In all thirteen channels and in computer compatible tape 7 tracks 800 BPI.

Investigations during the reported period

None of them has been completed.

1) S 190 A data

Enlargement of the more interesting frame at a 1:500,000 scale is nearly completed and photos have been delivered to the investigators.

1.1 - Investigations of frames n° 319 - 320 - 321 (see preceding report)

Interpretation of the geological data observed on these frames needed more field observations than previously expected. Field work will be in progress in June and July 1974.

Extension of geological structures to the east on SL 3 pass, orbit 32, frames 077, 078, 079 has been clearly pointed out.

Such a direction observed both on ERTS 1 and Skylab data for interpretation of the tectonic relationships between Alps and Pyrenees and tectogenesis of western Alps is important enough to merit a very careful investigation in the field.

1.2 - Study of frame 321 (see preceding report). Writing a report is in progress

2) S 190 B data

Enlargement of photos is in progress. Study of photos n° 86 259 and 86 260 has been temporarily stop. A meeting with the geologists of the Service géologique national in charge of the geological map 1:250,000 Marseille is expected in June or July.

Planning for the next months

- 1) To continue enlarging and printing photographic products from S 190 A and S 190 B.
Diffusion of photographic data to the investigators.
- 2) Conventional photointerpretation at different scale using different S 190 A data products.
To continue investigation started in February and March 1974 until completed.
- 3) Comparing with field data and ERTS 1 data.
- 4) Composite color processing - Optical filtering.
- 5) As soon as digital tape S 192 will be delivered, processing of this data.